This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims:

Claim 1 (currently amended). A device for making up a plurality of optical

fibers, comprising:

a multifiber drawing machine having a drawing installation and a take-up

winder;

said drawing installation being configured to synchronously produce a plurality

of individual optical fibers, and said drawing installation being configured to

provide a drawing rate for drawing the plurality of individual optical fibers such

that the drawing rate is substantially constant and substantially identical for

each of the optical fibers;

said take-up winder having a take-up spool and a compensating device;

said take-up spool taking up the optical fibers; [and]

said compensating device being configured such that, when the optical fibers

have respective different speeds at said drawing installation and at said take-up

spool, said compensating device compensates for differences in speed

between said drawing installation and said take-up spool;

said compensating device having a speed-change compensating device for

compensating a change in speed of a fiber bundle wound in layers onto said

take-up spool, said speed-change compensating device configured to

compensate a change in speed in at least one situation selected from the group

consisting of a change in speed of the fiber bundle when changing from one of

the layers to another one of the layers and a change in speed of the fiber

bundle resulting from a changing radius of the layers wound-up on said take-up

spool;

said speed-change compensating device having a dancing arm fastened at a

mounting point;

said speed-change compensating device having a deflection roller for guiding

the fiber bundle;

said deflection roller rotatably fastened to said dancing arm such that said

deflection roller is held on one side of said dancing arm and such that said

deflection roller is pivotable about the mounting point of said dancing arm in a

plane substantially parallel to a plane of rotation of said take-up spool; and

said deflection roller held on said dancing arm such that said deflection roller, in

addition to performing a pivoting movement about the mounting point of said

dancing arm, can oscillate separately with respect to the pivoting movement.

Claim 2 (currently amended). The device according to claim 1, wherein said

drawing installation is configured to bring the optical fibers together and to form

[a] the fiber bundle from the optical fibers.

Claim 3 (original). The device according to claim 2, wherein said take-up

winder has a fiber guiding unit configured to continuously lay the fiber bundle

on said take-up spool.

Claim 4 (original). The device according to claim 3, wherein:

said fiber guiding unit has at least one controllable excursion mechanism and a

fiber guide with a guiding roller for laying the fiber bundle over the take-up

spool; and

said at least one controllable excursion mechanism acts on said fiber guide.

Claim 5 (original). The device according to claim 4, wherein said take-up

winder has a layer-compensating device configured to adapt said fiber guiding

unit to at least one winding condition selected from the group consisting of a

change in a wound-up radius on said take-up spool and a change in a winding

width for layers of the optical fibers on said take-up spool.

Claim 6 (currently amended). The device according to claim [5] 3, wherein:

said fiber guiding unit has a fiber guide with a guiding roller for laying the fiber

bundle over the take-up spool;

said take-up winder has a layer-compensating device configured to adapt said

fiber guiding unit to at least one winding condition selected from the group

consisting of a change in a radius of the layers wound-up on said take-up spool

and a change in a winding width for layers of the optical fibers on said take-up

spool;

said layer-compensating device has at least one controllable excursion

mechanism for controlling a traveling displacement of at least one element

selected from the group consisting of said fiber guide and said guiding roller;

and

said at least one controllable excursion mechanism controlling the traveling

displacement in dependence on a number of layers of the optical fibers on said

take-up spool such that the traveling displacement is controlled in at least one

direction selected from the group consisting of a direction substantially parallel

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to an axis of rotation of said take-up spool and a direction substantially radial

with respect to the axis of rotation of said take-up spool.

Claim 7 (cancelled).

Claim 8 (cancelled).

Claim 9 (currently amended). The device according to claim [8] 1, wherein said

deflection roller and said take-up spool have respective axes of rotation

substantially parallel to one another.

Claim 10 (cancelled).

Claim 11 (currently amended). The device according to claim [10] 1, wherein

said dancing arm is an elastic arm including an elastic material with a given

modulus of elasticity such that said deflection roller fastened thereto has a

given oscillating capability.

Claim 12 (original). The device according to claim 11, wherein said dancing

arm is a plastic arm.

Claim 13 (currently amended). The device according to claim [10] 1, wherein

said dancing arm has at least one property selected from the group consisting

of a given material thickness and a given shape such that said deflection roller

fastened thereto has a given oscillating capability.

Claim 14 (currently amended). The device according to claim [8] 1, including:

an angular resolver, said dancing arm being assigned to said angular resolver

at said mounting point; and

a speed controller operatively connected to said angular resolver, said angular

resolver transmitting data on angles of rotation to said speed controller for

controlling a take-up rate of said take-up spool.

Claim 15 (original). The device according to claim 5, including:

a central data processing unit operatively connected to at least one of said

compensating device and said layer-compensating device; and

said central data processing unit controlling at least one of said compensating

device for compensating for differences in speeds and said layer-compensating

device for adapting said fiber guiding unit.

Claim 16 (currently amended). The device according to claim [8] 1, wherein

said dancing arm has an equilibrium position and is configured to be acted

upon by a compensating force such that said dancing arm is adjustable to the

equilibrium position by the compensating force when drawing the optical fibers

and taking up the fiber bundle on said take-up spool.

Claim 17 (original). The device according to claim 16, including a cylinder

operatively connected to said dancing arm for providing the compensating

force, said cylinder being selected from the group consisting of a pneumatic

cylinder and a hydraulic cylinder.

Claim 18 (currently amended). The device according to claim [8] 1, wherein

said dancing arm has a neutral position and is configured to be acted upon by a

compensating force such that said dancing arm is adjustable to the neutral

position by the compensating force in case of an interruption or abnormal

termination of the drawing and the taking up of the plurality of optical fibers.

Claim 19 (original). The device according to claim 18, including a cylinder

operatively connected to said dancing arm for providing the compensating

force, said cylinder being selected from the group consisting of a pneumatic

cylinder and a hydraulic cylinder.

Claim 20 (currently amended). The device according to claim [8] 1, wherein

said dancing arm is configured to set a tension in the fiber bundle.

Claim 21 (original). The device according to claim 20, including a cylinder

operatively connected to said dancing arm for setting the tension in the fiber

pneumatic cylinder and an adjustable hydraulic cylinder.

Claim 22 (original). The device according to claim 1, wherein said take-up

spool is fastened as an exchangeable take-up spool.

Claim 23 (currently amended). The device according to claim 3, further

comprising wherein:

a replacement spool located axially adjacent said take-up spool and located

under said fiber guiding unit for laying the fiber bundle on said replacement

spool;

said take-up spool being removable when full

said take up spool has a spool axis and is an exchangeable take up spool to be

exchanged when full; and

a replacement spool is placed adjacent to said take up spool in a direction of

the spool axis and is moved under said fiber guiding unit for laying the fiber

bundle on said replacement spool.

Claim 24 (currently amended). The device according to claim 3, further

comprising wherein:

a replacement spool located axially adjacent said take-up spool;

said fiber guiding unit traveling over said replacement spool for laying the fiber bundle on said replacement spool; and

said take-up spool being removable when full

said take up spool has a spool axis and is an exchangeable take up spool to be exchanged when full;

a replacement spool is placed adjacent to said take-up spool in a direction of the spool axis; and

said fiber guiding unit travels over said replacement spool for laying the fiber bundle on said replacement spool.

Claim 25 (original). The device according to claim 3, including:

a central data processing unit operatively connected to said compensating device;

said take-up spool having a spool axis and being configured as an exchangeable take-up spool to be exchanged when full;

a replacement spool being placed adjacent to said take-up spool in a direction

of the spool axis such that, when said take-up spool is full, the fiber bundle

changes from said take-up spool to said replacement spool; and

said central data processing unit controlling, via said compensating device, a

rotational speed of said replacement spool by at least one of a closed-loop

control and an open-loop control when the fiber bundle changes from said take-

up spool to said replacement spool.

Claim 26 (original). The device according to claim 1, wherein said drawing

installation synchronously produces a plurality of individual multicomponent

optical fibers.

Claim 27 (withdrawn). A method for making up a plurality of optical fibers, the

method which comprises:

synchronously producing, with a drawing installation, a plurality of individual

optical fibers by drawing the optical fibers with a drawing rate substantially

constant and identical for each of the optical fibers;

coating the optical fibers with size;

bundling the optical fibers to form a fiber bundle;

passing the fiber bundle, via deflecting devices, to a take-up winder; and

compensating, with a compensating device, for differences in speed of the fiber bundle between the drawing installation and the take-up winder.

Claim 28 (withdrawn). The method according to claim 27, which comprises:

guiding the fiber bundle over a deflection roller of a dancing arm; and

compensating, with a speed controller, for changes in a take-up rate of the fiber bundle on a take-up spool by using data provided by an angular resolver assigned to the dancing arm and changing a rotational speed of the take-up spool.

Claim 29 (withdrawn). The method according to claim 27, which comprises:

guiding the fiber bundle over a deflection roller of a dancing arm; and

transmitting, to a speed controller, a signal corresponding to a neutral position of the dancing arm in order to stop the take-up winder.

Claim 30 (withdrawn). The method according to claim 27, which comprises

passing the individual optical fibers as a band over at least one sizing roller of

the drawing installation in order to provide a constant tensile stress.

Claim 31 (withdrawn). The method according to claim 27, which comprises:

drawing the individual optical fibers all together, with a same drawing rate in

each case, by using a drawing-off roller; and

passing, via a secondary roller, the optical fibers as a fiber bundle to the take-

up winder.

Claim 32 (withdrawn). The method according to claim 27, which comprises

winding, via a guiding roller, the fiber bundle layer by layer on a take-up spool

of the take-up winder by using a fiber guiding unit for displacing the fiber bundle

on the take-up spool.

Claim 33 (withdrawn). The method according to claim 32, which comprises

winding the fiber bundle on the take-up spool with an adjustable offset per

layer.

Claim 34 (withdrawn). The method according to claim 33, which comprises

setting the adjustable offset based on an adjustable ratio of a number of

excursions of a fiber guide of the fiber guiding unit to a rotational speed of the

take-up winder.

Claim 35 (withdrawn). The method according to claim 27, which comprises:

providing a fiber guiding unit having a controllable excursion mechanism and a

fiber guide with a guiding roller; and

laying the optical fibers in a precise manner over a take-up spool of the take-up

winder by using the controllable excursion mechanism and moving the fiber

guide with the guiding roller cyclically back and forth parallel to a longitudinal

axis of the take-up spool.

Claim 36 (withdrawn). The method according to claim 35, which comprises

symmetrically shortening a winding width of fiber layers on the take-up spool in

dependence on a total number of fiber layers by reducing an excursion of the

fiber guide on both sides of the take-up spool.

Claim 37 (withdrawn). The method according to claim 27, which comprises

ensuring a substantially constant distance between a guiding roller of a fiber

guide and an uppermost layer on a take-up spool by moving, with a controllable

excursion mechanism, the fiber guide with the guiding roller continuously

radially with respect to an axis of rotation of the take-up spool.

Claim 38 (withdrawn). The method according to claim 37, which comprises

continuously adapting a fiber guiding unit including the fiber guide and the

controllable excursion mechanism to a wound-up radius changing in

dependence on a total number of layers on the take-up spool.

Claim 39 (withdrawn). The method according to claim 27, which comprises

exchanging a full take-up spool with a replacement spool by placing the

replacement spool adjacent to the full take-up spool in a direction along a spool

axis of the full take-up spool.

Claim 40 (withdrawn). The method according to claim 39, which comprises

moving a fiber guiding unit over the replacement spool when exchanging the

full take-up spool.

Claim 41 (withdrawn). The method according to claim 40, which comprises

using a traveling table for moving the fiber guiding unit over the replacement

spool when exchanging the full take-up spool.

Claim 42 (withdrawn). The method according to claim 39, which comprises

moving the replacement spool under a fiber guiding unit and simultaneously

displacing the full take-up spool when exchanging the full take-up spool.